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Relevance scale ☐ ☐ ☐ ☐ ☐1 Change management needs integrated process and configuration management

Gregor Joeris

November 1997

ACM SIGSOFT Software Engineering Notes , Proceedings of the 6th European conference held jointly with the 5th ACM SIGSOFT international symposium on Foundations of software engineering ESEC '97/FSE-5, Volume 22 Issue 6

Publisher: Springer-Verlag New York, Inc., ACM Press

Full text available: pdf(1.48 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)2 Change/configuration management gathering

J. Young

July 1989 **ACM SIGSOFT Software Engineering Notes, Volume 14 Issue 5**

Publisher: ACM Press

Full text available: pdf(290.47 KB)

Additional Information: [full citation](#), [index terms](#)3 Change management: An infrastructure for development of object-oriented, multi-level configuration management services

Tien N. Nguyen, Ethan V. Munson, John T. Boyland, Cheng Thao

May 2005 **Proceedings of the 27th international conference on Software engineering ICSE '05 , Proceedings of the 27th international conference on Software engineering ICSE '05**

Publisher: ACM Press, IEEE Computer Society

Full text available: pdf(418.74 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)[Publisher Site](#)

In an integrated development environment, the ability to manage the evolution of a software system in terms of logical abstractions, compositions, and their interrelations is crucial to successful software development. This paper presents a novel framework and infrastructure, *Molhado*, upon which to build *object-oriented* software configuration management (SCM) services in a SCM-centered integrated development environment. Key contributions of this paper include a *product versioni* ...

Keywords: *software configuration management, version control*4 Version models for software configuration management

Reidar Conradi, Bernhard Westfechtel



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1 [TIPSTER architecture: TIPSTER text phase II configuration management plan](#)

Architecture Committee

May 1996 **Proceedings of a workshop on held at Vienna, Virginia: May 6-8, 1996**

Publisher: Association for Computational Linguistics

Full text available: [pdf\(909.69 KB\)](#) Additional Information: [full citation](#), [abstract](#)

This document presents the TIPSTER Text Phase II Configuration Management (CM) Plan for identifying, controlling, and auditing the TIPSTER Architecture status and configuration definition.

2 [Software Configuration Management](#)

Edward H. Bersoff, Vilas D. Henderson, Stan G. Siegel

January 1978 **ACM SIGSOFT Software Engineering Notes , ACM SIGMETRICS**
Performance Evaluation Review , Proceedings of the software quality assurance workshop on Functional and performance issues, Volume 3 , 7
Issue 5 , 3-4

Publisher: ACM Press

Full text available: [pdf\(774.00 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper is about discipline. It is about discipline that managers should apply to software development. Why is such discipline needed? Quite simply because the software industry has traditionally behaved in an undisciplined manner—doing its own thing. The products that the industry has turned out have typically Contained other than what was expected (usually less, rather than more); Been delivered much later than scheduled; Cost more than anticipate ...

3 [An object-oriented model of software configuration management](#)

Hal Render, Roy Campbell

May 1991 **Proceedings of the 3rd international workshop on Software configuration management**

Publisher: ACM Press

Full text available: [pdf\(1.21 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

4 [A database model for effective configuration management in the programming environment](#)

Karen E. Huff

March 1981 **Proceedings of the 5th international conference on Software engineering ICSE '81**

Publisher: IEEE Press

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index](#)



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Relevance scale ☐ ☐ ☐ ☐ ☐**1 Affinity-based management of main memory database clusters**

Minwen Ji

November 2002 **ACM Transactions on Internet Technology (TOIT)**, Volume 2 Issue 4**Publisher:** ACM PressFull text available: [pdf\(553.96 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We study management strategies for main memory database clusters that are interposed between Internet applications and back-end databases as content caches. The task of management is to allocate data across individual cache databases and to route queries to the appropriate databases for execution. The goal is to maximize effective cache capacity and to minimize synchronization cost. We propose an affinity-based management system for main memory database cLusters (*ALBUM*). *ALBUM* executes ea ...

Keywords: Main memory database, clustering, database administration, database cluster, file organization, query affinity, scalability

2 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research CASCON '97****Publisher:** IBM PressFull text available: [pdf\(4.21 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

3 The multics system: an examination of its structure

Elliott I. Organick

January 1972 Book

Publisher: MIT PressAdditional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

This volume provides an overview of the Multics system developed at M.I.T.--a time-shared, general purpose utility like system with third-generation software. The advantage that this new system has over its predecessors lies in its expanded capacity to manipulate and file information on several levels and to police and control access to data in its


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[BOOK] Configuration Management Models in Commercial Environments - all 4 versions »

PH Feiler - 1991 - cvc.uab.es

... coordination of concurrent team activity. The **change** set model promotes a view of **configuration management** focused on logical **changes**. ...

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The CM challenge: configuration management that works

DB Leblang - Wiley Trends In Software Series, 1995 - portal.acm.org

... Gregor Joeris, **Change management** needs integrated process and **configuration management**, ACM SIGSOFT Software Engineering Notes, v.22 n.6, p.125-141, Nov. 1997. ...

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Version models for software configuration management - all 14 versions »

R Conradi, B Westfechtel - ACM Computing Surveys (CSUR), 1998 - portal.acm.org

... Proving—deduction, logic programming General Terms: Languages, **Management** Additional Key Words and Phrases: **Changes**, **configuration** rules, configurations ...

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Concepts in configuration management systems - all 11 versions »

S Dart - ... international workshop on Software **configuration management**, 1991 - portal.acm.org

... Controlling: controls how and when **changes** are made ... s Process: supports the **management** of how the product ... make up a **configuration** and versions of those; denote ...

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Strider: a black-box, state-based approach to change and configuration management and support - all 8 versions »

YM Wang, C Verbowski, J Dunagan, Y Chen, HJ Wang, ... - Science of Computer Programming, 2004 - Elsevier

... **Change and Configuration Management (CCM)** refers to the task of monitoring **configuration changes** and maintaining systems in healthy **configuration** states. ...

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TL Graves, A Mockus - Software Metrics Symposium, 1998. Metrics 1998. Proceedings. ..., 1998 - ieeexplore.ieee.org

Page 1. Inferring **Change** Effort from **Configuration Management** Databases Todd L. Graves and Audris Mockus + National Institute of Statistical Sciences and ...

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Software configuration management: a roadmap - all 11 versions »

J Estublier - Proceedings of the conference on The future of Software ..., 2000 - portal.acm.org

... Multi-user **management** consists in preventing concurrent **changes** from ... A user who wants to **change** a file ... Composition A **configuration** is often defined as a set of ...

Cited by 103 - [Related Articles](#) - [Web Search](#)

The evolving philosophers problem: dynamic change management - all 9 versions »

J Kramer, J Magee - Software Engineering, IEEE Transactions on, 1990 - ieeexplore.ieee.org

... In order to provide generic **configuration management**, the **configuration management** system which carries out the **changes** should be independent of the application ...

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S Dart - ... international workshop on Software **configuration management**, 1991 - portal.acm.org
 ... 1.1 Definition of **Configuration Management** Software CM is a ... the status of components and **change** requests, and ... such as configura- tion **item**, baseline, release ...
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R Conradi, B Westfechtel - ACM Computing Surveys (CSUR), 1998 - portal.acm.org
 ... as textual languages for expressing **configuration** rules ... issues are related to version **management**, but elaborating ... fact, **items** may undergo major **changes**, and the ...
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[A Guide to Software Configuration Management - all 3 versions »](#)

A Leon - Artech House Computing Library, 2000 - ercb.com
 ... related to the approval or disapproval of **changes**. ... activities which affect each **configuration item**, in order ... activity collects the data **management** functions in ...
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EH Bersoff, VD Henderson, SG Siegel - ACM SIGMETRICS Performance Evaluation Review, 1978 - portal.acm.org
 ... **CONFIGURATION** | YOUR SYSTEM **CONFIGURATION** CONSISTS OF | **MANAGEMENT** | THE FOLLOWING
ITEMS: (**ITEM**= **ITEM** THE STEPS IN PROCESSING **CHANGES** THAT DI- CONTROL RECTLY ...
 Cited by 49 - [Related Articles](#) - [Web Search](#)

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AC Sonty, JA Faria, AW Willett, KP Ciulla, C ... - US Patent 5,499,357, 1996 - Google Patents
 ... In the exemplary **configuration management** system, the application CM ... Level Language Component **Configuration** SW-Language ... and software **items** have **changes** that are ...
 Cited by 50 - [Related Articles](#) - [Web Search](#)

[Method and system for product configuration management in a computer based manufacturing system - all 3 versions »](#)

RA Maki, H Mitchell, SK Mukherjee, BN Panuganti, ... - US Patent 5,307,261, 1994 - Google Patents
 ... METHOD AND SYSTEM FOR PRODUCT **CONFIGURATION MANAGEMENT** IN A ... with each unique End
Item Configuration independent of engineering **change** histo- ries ...
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[An Introduction to Software Change Impact Analysis - all 2 versions »](#)

SA Bohner, RS Arnold - Software Change Impact Analysis, 1996 - cs.lth.se
 ... Version and **configuration** control **Configuration item** structuring Construction of **configuration Change management Change** impact analysis ... Teamwork support ...
 Cited by 166 - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#)

[Towards a Uniform Version Model for Software Configuration Management - all 5 versions »](#)

R Conradi, B Westfechtel - Software **Configuration Management**, Proceedings of the ICSE ... - idi.ntnu.no
 ... Version models for software conguration **management** have been studied for a long ... it applies on all data , and combinability of **changes** also across **items**. ...


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... We assume two levels of **change management**: **change** requests and tasks ... 4). A **change** request is cre- ated when ... bug is reported or the **Configuration Control Board** ...

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... traffic timeliness upon requests for **changes** in the ... the destination but the data **item** that is ... of services available are System **Configuration Management**, to set ...

[Cited by 50](#) - [Related Articles](#) - [Web Search](#)

[\[BOOK\] System Configuration Management: 9th International Symposium, SCM-9, Toulouse, France, September 5-7 ...](#)

J Estublier - 1999 - [books.google.com](#)

... Table 3. Some Commercial **Configuration Management** Tools ... What are good content development and **change** processes for ... definition of the CM process and CM items? ...

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TM Steinbeck, V Lindenstruth, H Tilsner - Computing in High Energy and Nuclear Physics Conference 2004 ... - [wiki.kip.uni-heidelberg.de](#)

... other fault-tolerance or fabric-**management** software or ... to certain events, eg state **changes** in programs ... Primarily a **configuration** file contains specifications of ...

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C Shaw, J Liang, M Green, Y Sun - Proceedings of the SIGCHI conference on Human factors in ..., 1992 - [portal.acm.org](#)

... a similar device **management** approach, as described in ... put. The parenthesized **items** indicate **items** that MR ... is to animate **changes** from one database view to an- ...

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... be able to access and **change management** information in all ... better support for managing **items** outside the ... ex- ample of the problems of **configuration management**. ...

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S Aidarous, T Plevyak - Telecommunications Network **Management** into the 21st Century: ... - [media.wiley.com](#)

... a major cost **item** for service ... not simply because a vendor's implementation **changes**. ... **Configuration management** includes resource provisioning (time- ly ...

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